

## CLAIM

1. A method of producing seamless steel tubes which comprises measuring the wall thicknesses within the circumferential directions of a seamless steel tube rolled in a production line comprising a mandrel mill, in which a plurality of reduction stands with reduction rolls are disposed in succession with the directions of reduction varied each other, and controlling separately and individually based on the results of the measurement, the positions of both ends of each axis of the reduction rolls at least in the final reduction stands of the mandrel mill so that the deviations in wall thickness can be minimized.